M/035/0015 cc: Leslie, Lynn Task: 4359

7 September 2011

VIA US MAIL AND EMAIL

Mr. Paul Baker Division of Oil, Gas & Mining Utah Department of Natural Resources P.O. Box 145801 Salt Lake City, Utah 84114-5801

Subject: M/035/015, M-035-0002, Kennecott North Tailing Impoundment, Updated

Dear Mr. Baker:

Kennecott Utah Copper (KUC) is proposing to update its seed mix from the original seed mix in the approved Notice of Intent, submitted March 15, 1996, for the Tailings Modernization Project, North Impoundment Expansion, M/035/015. This proposed seed mix has been developed based upon observed field conditions and in association with Granite Seed Company and Golder Associates who have provided technical review and guidance on this

Please find attached Form MR-REV for permit number M/035/015, North Tailing Impoundment.

If you have any questions about this proposed revision, please contact Zeb Kenyon at 801.569.6035.

Regards,

My Payre Kelly L. Payne, P.G.

Manager - Environment

cc: Ms. Leslie Heppler, UDOGM, by email

File Number: M/035/015

Operator: Kennecott Utah Copper LLC
Mine Name: North Tailing Impoundment

SEP 08 2011

Application for Mineral Mine Plan Revision or Amendment OF OIL, GAS & MINING

	DETAILE	D SCHEDULE	OF CHANGES TO THE MINING AN	ND RECLAMATION PLAN
				R MATERIALS TO BE CHANGED
9 ADD	X REPLACE	9 REMOVE	Page 20 of the consolidated permit app Page 20(August 23, 2011) detailing see	lication (March 15, 1996) with a revised ed mix (attached).
9 ADD	9 REPLACE	9 REMOVE		
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is appli	cation is true	and correct	to the best of my information a tments and obligations, herein.	that the information contained in nd belief in all respects with the MGR-ENVIFORME 7 SEPT 2011 Date
eturn to:				
	State of Utah Department of Division of Oil, 1594 West Nor Box 145801 Salt Lake City,	Gas and Minir th Temple, Su	g te 1210 Bond Ad	FOR DOGM USE ONLY File #: M/ / Approved: ljustment: from_(\$) to \$

Typical seed mixes and soil amendments to be used in the reclamation program are outlined below:

North Tailings Seed Mix (uncovered – seed applied direct to tailings)

SPECIES	PLS LBS/ACRE (DRILLED RATE)	APPLICATION METHOD Drill
Tall wheatgrass (Elytrigia elongata) 'Alkar'	4.0	
Smooth brome (Bromus inermis) 'Manchar'	3.0	Drill
Slender wheatgrass (Elymus trachycaulus ssp. trachycaulus) 'Pryor'	3.0	Drill
Sheep fescue (Festuca ovina) 'Covar or Marco Polo'	0.75	Drill
Bottlebrush squirreltail (Elymus elymoides)	1.5	Drill
Fourwing saltbush (Atriplex canescens)	1.0	Drill
Sand dropseed (Sporobolus cryptandrus)	0.5	Broadcast
Sand sage (Artemisia filifolia)	0.50	Broadcast
Barley (Hordeum vulgare)	15.0	Drill
Cereal rye (Secale cereale)	15.0	Drill
TOTAL	44.25	

Notes: Broadcast seeding may be done initially or within the following year

Seed mix developed in partnership with Granite Seed Company, Golder Associates and Kennecott Utah Copper

Soil amendments: 2:1 Ratio, Woodchip and Biosolids @ 30 tons/acre total

16-16-8 Fertilizer @ 100 lbs/acre (secondary application as needed)

North Tailings Seed Mix (covered - seed applied to growth media cover)

SPECIES	PLS LBS/ACRE (DRILLED RATE)	APPLICATION METHOD Drill
Tall wheatgrass (Elytrigia elongata) 'Alkar'	2.0	
Crested wheatgrass (Agropryon desertorum) 'Hycrest'	1.25	Drill
Western wheatgrass (Pascopyrum smithii) 'Arriba'	2.0	Drill
Russian wildrye (Psathyrostachys juncea) 'Bozoisky'	2.0	Drill
Indian ricegrass (Achnatherum hymenoides) 'Nezpar/Rimrock'	1.25	Drill
Blue grama (Bouteloua gracilis) 'Alma/Lovington/Hachita'	0.50	Drill
Falcata alfalfa (Medicago sativa spp. falcata)	0.25	Broadcast
Blue flax (Linum perenne)	0.25	Drill
Fourwing saltbush (Atriplex canescens)	1.0	Drill
Shadscale (Atriplex confertifolia)	0.5	Drill
Nevada ephedra (Ephedra nevadensis)	0.5	Drill
Rubber rabbitbrush (Ericameria nauseosa)	0.5	Broadcast
Wyoming big sagebrush (Artemisia tridentata ssp wyomingensis)	0.5	Broadcast
Barley (Hordeum vulgare)	15.0	Drill
Cereal rye (Secale cereale)	15.0	Drill
TOTAL	42.50	

Notes: Broadcast seeding may be done initially or within the following year

Seed mix developed in partnership with Granite Seed Company, Golder Associates and Kennecott Utah Copper

Soil amendments: Straw Mulch @ 10 to 20 tons/acre

18-18-18 Fertilizer @ 200 lbs/acre (primary)

18-18-18 Fertilizer @ 100 lbs/acre (secondary application as needed)